INSTALLATION STATUS REPORT (ISR)

ELECTRIC DISTRIBUTION

PROPONENT: ASST CHIEF OF STAFF INST MGMT, UTILITIES BRANCH, DAIM-FDF-U
(703) 428-7001/DSN 328-7001

REVISION DATE: 30 SEPTEMBER 2002
FOR USE WITH THE 2003 ISR DATA COLLECTION

INCLUDES THE FOLLOWING FCG(s):

- **F81200 - ELECTRIC POWER LINES (LF)***
- **F81230 - EXTERIOR LIGHTING (LF)**

STANDARDS BOOKLET

BOOKLET 56

* FCG Unit of Measure. Refer to *Implementing Instructions*, Appendix G, for definition.

ISR FACILITY INSPECTION INSTRUCTIONS

1. Select the appropriate inspection worksheet and rating standards booklet to evaluate your facility (the appropriate booklet number is identified in the upper right corner of the worksheet). Only use worksheets that have been produced by the current ISR1 software, i.e., barcodes and correct installation and facility information are printed at the top of the page. In particular, verify that the building number on the worksheet matches that of the facility you are inspecting, and the Facility Category Group (FCG) description on the worksheet matches the space you will be rating in the facility (some facilities consist of space from several FCGs, each of which will require a separate worksheet and associated rating booklet).

2. At the top of the inspection worksheet, enter Inspector name and phone number, and the date completed.

3. Rate each component on the inspection worksheet by selecting the color rating that BEST FITS the component being evaluated. First look at the picture in the standards booklet, then at the rating elements under each color to determine which color best describes the overall condition of the component being rated. Then place an "X" in the appropriate box on the inspection worksheet. If an inspection component is not in the facility and it is not needed, place an "X" in the "N/A" box for that component. If an inspection component is not in the facility and it is needed, rate that component as RED.

4. RED ratings require comment. For every component that is rated RED, write a brief explanation in the space provided on the inspection worksheet. For each RED rating, consider submitting a work order to correct the deficiency.

5. Sum the number of "X"s in each column and record each total on the line designated at the bottom of the column.

6. Identify the Overall Quality Rating. The Overall Quality Rating is the color that received the most ratings among the inspected components. This was calculated in Step 5 above. If there is a tie for the most color ratings, then the lower color rating prevails and is the Overall Quality Rating for the facility. Circle the appropriate Overall Color Rating choice in the upper right hand corner of the worksheet.

7. Optional: write a brief comment concerning any facility location issues, such as location of the facility on the installation, proximity to related facilities, and appropriate vehicle access. Continue on the reverse of the inspection worksheet if needed.

8. Optional: write a brief comment concerning any environmental, health, safety, and historic preservation issues. Continue on the reverse of the inspection worksheet if needed.

9. Have the unit commander or activity director review and sign the inspection worksheet, and add any desired comment.

INSTALLATION SUPPORT WORKSHEET
(No Booklet to match this worksheet)
ELECTRIC DISTRIBUTION

Overall Quality Rating
(Circle One):

Green Amber Red

Facility Number:
Facility User UIC:
Facility Category Group:
Unit of Measure:

Installation Number:

Inspector: _____

Phone #: _____

Date Completed: _____

FACILITY CONDITION ASSESSMENT

Condition of Each Component
Place an "X" in the box that applies to each component.

Inspection Component	GREEN	AMBER	RED	N/A
1. Age (Time since most recent major renovation/overhaul)	[ ] < 15 years	[ ] 15-35 years	[ ] > 35 years	[ ]
2. Current Design Standards or Local utility standards	[ ] Meets requirement	[ ] Minor deficiencies	[ ] Major deficiencies	[ ]
3. System Maps (In accordance with TM5-684 and NFPA 70B)	[ ] Current	[ ] 1-5 years old	[ ] Over 5 years old	[ ]
4. SAFETY *** All applicable standards such as OSHA, Army, EPA, State, etc.	[ ] Meets standards	[ ] Minor deficiencies	[ ] Major life/safety deficiencies	[ ]
5. Environmental Compliance ***	[ ] No NOVs	[ ] Minor noncompliance	[ ] NOVs	[ ]
6. Reliability ***	[ ] Four outages (substation feeder trips, over 15 minutes) or less affecting post in the past year	[ ] More than four, but less than 8 outages (substation feeder trips, over 15 minutes) affecting post in the past year	[ ] Eight or more outages (substation feeder trips, over 15 minutes) affecting post in the past year	[ ]
7. Scheduled Maintenance	[ ] 100% Performed	[ ] 99-75% Performed	[ ] < 75% Performed	[ ]
8. Annual O&M Plans	[ ] Detailed & Comprehensive	[ ] Inadequate	[ ] Not available	[ ]
9. System Voltage ***	[ ] 15 kV class or local utility standards	[ ] Less than 15 KV class	[ ] Not available	[ ]

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ELECTRIC DISTRIBUTION (Continued)

10. Power System Analysis	[ ] Meets AR 420-49 standard	[ ]	[ ] Does not meet standard	[ ]
11. Power Pole/Hardware Scheduled Replacement ***	[ ] Less than 5% of poles required replacement in past year	[ ] Greater than 5% but less than 20% of poles required replacing in past year	[ ] Greater than 20% of poles required replacing in past year	[ ]
12. Line Capacity ***	[ ] All lines less than 80% loaded	[ ] More than 10% lines 90% loaded	[ ] 10% or more of lines 100% loaded	[ ]
13. Infrared Survey	[ ] Survey performed within five years	[ ] Survey performed greater than five years	[ ] Survey never performed	[ ]
14. Lightning arrestors	[ ] Arrestors on 95% transformer poles and pot head terminations	[ ] Arrestors on less than 90% transformer poles and pot head terminations	[ ] Arrestors on less than 80% transformer poles and pot head terminations	[ ]
15. Tree Outages	[ ] 3 or less outages in past year due to wind blowing trees on lines	[ ] 4-10 outages in past year due to wind blowing trees on lines	[ ] > 10 outages in past year due to wind blowing trees on lines	[ ]
16. System Orientation	[ ] All circuits are looped	[ ] 50% of circuits looped	[ ] No circuits looped	[ ]
17. Electrical single Line Diagrams	[ ] Available	[ ] Incomplete	[ ] Not available	[ ]
18. Electrical Power Engineer	[ ] Power experience on staff	[ ] No power experience on staff	[ ]	[ ]

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ELECTRIC DISTRIBUTION (Continued)

19. Manpower availability	[ ] Meets >80% of requirements	[ ] Meets 80%-50% of requirements	[ ] Meets <50% of requirements	[ ]
Overall Quality Rating: Mark the color with the greatest number of "X"s. If two or more colors have equal number of "X"s, choose the worst color rating.	[ ]	[ ]	[ ]	

***Indicates Priority Component *(For Local Installation Reference Only)*

Red Rating Explanation: _____

_____

Location Comment: _____

_____

Environmental, Health, Safety, & Preservation (EHSP) Comment: _____

_____

COMMANDER/DIRECTOR SIGNATURE _____